

## CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given for the various sections of the climatological service of the Weather Bureau: the monthly average temperature and total rainfall; the stations reporting the highest and lowest temperatures with dates of occurrence; the stations reporting the greatest and least total precipitation; and other data, as indicated by the several headings.

The mean temperature for each section, the highest

and lowest temperatures, the average precipitation and the greatest and least monthly amounts, are found by using all trustworthy records available.

The mean departures from normal temperatures and precipitation are based only on records from stations that have 10 or more years of observations. Of course the number of such records is smaller than the total number of stations.

Summary of temperature and precipitation, by sections, September, 1914.

Section.	Temperature (°F.).						Precipitation (inches and hundredths).					
	Section average.	Departure from the normal.	Monthly extremes.				Section average.	Departure from the normal.	Greatest monthly.		Least monthly.	
			Station.	Highest.	Date.	Station.			Station.	Amount.	Station.	Amount.
Alabama.....	72.4	-2.5	2 stations.....	100	1 <sup>t</sup>	Cordova.....	42	25	4.69	+1.14	Robertsdale.....	15.39
Arizona.....	74.8	+1.9	Quartzsite.....	111	19	2 stations.....	28	14 <sup>t</sup>	0.79	-0.28	Pinal Ranch.....	4.67
Arkansas.....	74.4	+1.1	Lewisville.....	101	9 <sup>t</sup>	Dutton.....	38	24	3.19	-0.24	Brinkley.....	10.61
California.....	66.2	-2.3	2 stations.....	112	11 <sup>t</sup>	Macdoel.....	15	15	0.23	-0.26	Crescent City.....	8.11
Colorado.....	59.3	+2.3	Lamar.....	104	4	Lay.....	10	14	0.71	-0.70	Platoro.....	3.60
Florida.....	77.8	-1.4	Apalachicola.....	100	9	Wausau.....	50	14 <sup>t</sup>	7.29	+0.37	Garners (near).....	13.14
Georgia.....	72.7	-2.1	Dublin.....	100	8	Blue Ridge.....	38	27	3.53	-0.16	Thomasville.....	7.58
Hawaii (August).....	75.1		4 stations.....	92	13 <sup>t</sup>	Volcano House, Hawaii.....	52	22	13.91	.....	Honomu, Hawaii.....	84.41
Idaho.....	55.5	-1.6	2 stations.....	100	2 <sup>t</sup>	Kilgore.....	14	10	1.64	+0.75	Burke.....	4.00
Illinois.....	66.8	-0.4	Carbondale.....	95	1 <sup>t</sup>	Sycamore.....	34	26	3.82	+0.46	Glenns Ferry.....	0.14
Indiana.....	66.2	-1.2	Hammond.....	99	2	Collegeville.....	33	26	2.34	-0.66	Lansark.....	8.44
Iowa.....	64.5	+1.1	2 stations.....	99	5	Washta.....	30	4	7.88	+4.52	Charleston.....	1.05
Kansas.....	72.1	+3.0	Scott City.....	107	5	3 stations.....	35	23	2.84	+0.01	Decker.....	5.07
Kentucky.....	67.8	-2.8	Beattyville.....	97	21	2 stations.....	36	26	2.98	+0.26	Lenox.....	16.24
Louisiana.....	77.3	-0.3	Angola.....	105	10	Cameron.....	12	25	2.85	-1.15	Horton.....	11.37
Maryland & Delaware.....	64.8	-3.0	3 stations.....	98	21 <sup>t</sup>	Deer Park, Md.....	21	29	0.93	-2.24	Blandenville.....	6.04
Michigan.....	60.1	0.0	2 stations.....	93	20 <sup>t</sup>	Watersmeet.....	23	8 <sup>t</sup>	2.27	-0.60	Lawrence.....	7.15
Minnesota.....	60.0	-1.4	Warren.....	93	19	3 stations.....	26	25	3.08	-0.14	Keedysville, Md.....	3.09
Mississippi.....	74.7	-0.6	Hazlehurst.....	100	8	Duch Hill.....	42	26	4.43	+0.87	Seaford, Del.....	0.40
Missouri.....	69.6	+0.5	2 stations.....	99	5	Cassville.....	35	26	6.27	+2.52	East Tawas.....	0.51
Montana.....	55.7	-0.4	Fallon.....	100	17	Lima.....	9	13	1.48	-0.03	Woodringdale.....	10.67
Nebraska.....	65.4	+1.7	Weeping Water.....	105	5	Mitchell.....	23	14	2.18	+0.07	St. Cloud.....	6.49
Nevada.....	58.9	-0.8	Logan.....	103	18 <sup>t</sup>	Potts.....	17	13 <sup>t</sup>	0.45	-0.10	Waynesboro.....	12.32
New England.....	60.2	+0.1	3 stations.....	97	22	Norfolk, Mass.....	18	29	0.98	-2.55	Kansas City.....	16.17
New Jersey.....	64.0	-1.6	.....do.....	99	22	2 stations.....	24	29	0.37	-3.58	Falls City.....	13.77
New Mexico.....	65.7	+0.9	Artesia.....	102	7	Elizabethtown.....	22	24	0.67	-0.80	Columbia.....	1.79
New York.....	59.6	-1.5	Wappingers Falls.....	99	22	Lake Placid Club.....	18	29	1.51	-1.86	Van Buren, Me.....	4.07
North Carolina.....	68.1	-2.6	Greensboro.....	99	2	Banners Elk.....	32	27	3.16	-0.47	Woodbine.....	1.64
North Dakota.....	59.3	+2.9	2 stations.....	98	18	3 stations.....	25	22	1.06	-0.56	Mountaine Park.....	2.92
Ohio.....	63.4	-2.2	3 stations.....	97	21 <sup>t</sup>	Lisbon.....	26	28	1.41	-1.28	Dammenora.....	3.41
Oklahoma.....	75.3	+1.6	Hocker.....	106	7	Kenton.....	35	24	2.15	-0.31	Bolton.....	9.19
Oregon.....	56.7	-1.7	Blalock.....	98	24	Whitaker.....	9	27	3.21	+1.45	McKinney.....	3.14
Pennsylvania.....	61.5	-2.5	Lock Haven.....	98	22	West Bingham.....	21	28	0.99	-2.27	Montpelier.....	3.42
Porto Rico.....	79.1	+0.3	2 stations.....	98	14 <sup>t</sup>	Albionite.....	51	10 <sup>t</sup>	4.99	-3.10	Whiteagle.....	7.61
South Carolina.....	71.3	-2.9	Blackville.....	101	8	5 stations.....	43	11 <sup>t</sup>	3.63	-0.41	Happy Home.....	13.56
South Dakota.....	63.1	+1.7	Oelrichs.....	104	19	Oelrichs.....	23	14	2.00	+1.06	Diamond.....	0.05
Tennessee.....	70.3	-0.5	Pittewood.....	101	2	Mountain City.....	33	27	2.53	-0.41	Center Hall.....	2.67
Texas.....	77.3	+0.1	San Juanito.....	105	18	Midland.....	35	30	1.46	-1.46	New York City.....	17.35
Utah.....	61.1	-0.1	St. George.....	100	19	Scofield.....	18	14	0.48	-0.57	Lebanon (near).....	0.20
Virginia.....	65.8	-2.3	Petersburg.....	100	2	Burkes Garden.....	28	27	1.65	-1.69	Diamond Springs.....	3.12
Washington.....	56.5	-1.5	Eltopia.....	95	2	Deer Park.....	25	12	2.63	+0.77	Asasco.....	17.35
West Virginia.....	63.2	-3.1	2 stations.....	97	1 <sup>t</sup>	Bayard.....	24	29	1.58	-1.33	Georgetown.....	7.55
Wisconsin.....	59.9	0.0	3 stations.....	90	19 <sup>t</sup>	Glen Flora.....	25	25	3.97	+0.48	Vernillion.....	6.50
Wyoming.....	53.9	+1.1	Colony.....	98	30	Willow Creek.....	12	13 <sup>t</sup>	0.82	-0.35	Union City.....	9.26

† Other dates also.

## DESCRIPTION OF TABLES AND CHARTS.

Table I gives the data ordinarily needed for climatological studies for about 158 Weather Bureau stations making simultaneous observations at 8 a. m. and 8 p. m., seventy-fifth meridian time daily, and for about 41 others making only one observation. The altitudes of the instruments above ground are also given.

Table II gives a record of precipitation, the intensity of which at some period of the storm's continuance equaled or exceeded the following rates:

Duration (minutes)..... 5 10 15 20 25 30 35 40 45 50 60  
Rates per hour (inches)..... 3.00 1.80 1.40 1.20 1.08 1.00 0.94 0.90 0.87 0.84 0.80

It is impracticable to make this table sufficiently wide to accommodate on one line the record of accumulated falls that continue at an excessive rate for several hours. In this case the record is broken at the end of each 60 minutes, the accumulated amounts being recorded on successive lines until the excessive rate ends.

In cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest precipitation of any single storm has been given, also the greatest hourly fall during that storm.

Table III gives, for about 30 stations of the Canadian Meteorological Service, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Chart I.—Hydrographs for several of the principal rivers of the United States.

Chart II.—Tracks of centers of high areas; and Chart III.—Tracks of centers of low areas. The roman numerals show the chronological order of the centers. The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the observations at 8 a. m. and 8 p. m., seventy-fifth meridian time. Within each circle is also given (Chart II) the last three figures of the highest barometric reading and (Chart III)